

WHAT IS CLAIMED IS:

1. A microactuator device having a cut face formed by cutting, wherein said cut face is subjected to anti-release treatment for preventing release of particles produced by cutting.
2. A microactuator device according to claim 1, wherein said anti-release treatment is carried out by baking an entire surface of said microactuator device including said cut face to form a sintered surface after cutting into a final product shape.
3. A microactuator device according to claim 1, wherein said anti-release treatment is carried out by polishing an entire surface of said microactuator device including said cut face formed by cutting after baking.
4. A microactuator device according to claim 1, wherein said anti-release treatment is carried out by reheating an entire surface of said microactuator device including said cut face formed by cutting after baking to thereby refix said particles to said entire surface.
5. A microactuator device according to claim 1, wherein said anti-release treatment is carried out by exclusively heating said cut face formed by cutting after baking to thereby refix said particles to said cut face.
6. A microactuator device according to any one of claims 2 through 5, wherein said anti-release treatment is followed by washing of an entire surface of said microactuator device including said cut face to remove said particles.
7. A microactuator device according to claim 1, wherein said anti-release treatment is carried out by coating said cut face formed by cutting after baking with a glass to avoid exposure of said cut face.
8. A microactuator device according to claim 1, wherein said anti-release treatment is carried out by coating an entire surface of said microactuator device including said cut face formed by cutting after baking with

a flexible resin material which hardly suppresses the displacement of said microactuator device.

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9. A microactuator device according to any one of claims 1 through 8, wherein said microactuator device comprising a multilayer structure which includes a plurality of piezoelectric elements and a plurality of internal electrodes alternately laminated and which has said cut face.

10. A head supporting arrangement comprising:
a base plate to be fixed;
a support spring for supporting a head; and
a microactuator device connected to said base plate and said support spring, said microactuator device being coated with a coating film collectively with portions of said base plate and said support spring which are adjacent to said microactuator device.

11. A head supporting arrangement comprising:
a base plate to be fixed;
a support spring for supporting a head; and
a plurality of microactuator devices connected between said base plate and said support spring, said microactuator devices being collectively covered with a coating film.

12. A head supporting arrangement according to claim 11, further comprising a flexible substrate receiving said microactuator devices mounted thereon and connected between said base plate and said support spring, said flexible substrate being coated with said coating film together with said microactuator devices.

13. A head supporting arrangement according to any one of claims 10 through 12, wherein said support spring is elastically coupled with said base plate.

a head supported by said support spring of said head supporting arrangement to access to a rotary disk, the microactuator device of said head supporting arrangement carrying out fine adjustment of a positional relationship of said head with respect to said disk.

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Year	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																										
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000	1,450,000	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	1,750,000	1,800,000	1,850,000	1,900,000	1,950,000	2,000,000	2,050,000	2,100,000	2,150,000	2,200,000	2,250,000	2,300,000	2,350,000	2,400,000	2,450,000	2,500,000	2,550,000	2,600,000	2,650,000	2,700,000	2,750,000	2,800,000	2,850,000	2,900,000	2,950,000	3,000,000	3,050,000	3,100,000	3,150,000	3,200,000	3,250,000	3,300,000	3,350,000	3,400,000	3,450,000	3,500,000	3,550,000	3,600,000	3,650,000	3,700,000	3,750,000	3,800,000	3,850,000	3,900,000	3,950,000	4,000,000	4,050,000	4,100,000	4,150,000	4,200,000	4,250,000	4,300,000	4,350,000	4,400,000	4,450,000	4,500,000	4,550,000	4,600,000	4,650,000	4,700,000	4,750,000	4,800,000	4,850,000	4,900,000	4,950,000	5,000,000	5,050,000	5,100,000	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	5,400,000	5,450,000	5,500,000	5,550,000	5,600,000	5,650,000	5,700,000	5,750,000	5,800,000	5,850,000	5,900,000	5,950,000	6,000,000	6,050,000	6,100,000	6,150,000	6,200,000	6,250,000	6,300,000	6,350,000	6,400,000	6,450,000	6,500,000	6,550,000	6,600,000	6,650,000	6,700,000	6,750,000	6,800,000	6,850,000	6,900,000	6,950,000	7,000,000	7,050,000	7,100,000	7,150,000	7,200,000	7,250,000	7,300,000	7,350,000	7,400,000	7,450,000	7,500,000	7,550,000	7,600,000	7,650,000	7,700,000	7,750,000	7,800,000	7,850,000	7,900,000	7,950,000	8,000,000	8,050,000	8,100,000	8,150,000	8,200,000	8,250,000	8,300,000	8,350,000	8,400,000	8,450,000	8,500,000	8,550,000	8,600,000	8,650,000	8,700,000	8,750,000	8,800,000	8,850,000	8,900,000	8,950,000	9,000,000	9,050,000	9,100,000	9,150,000	9,200,000	9,250,000	9,300,000	9,350,000	9,400,000	9,450,000	9,500,000	9,550,000	9,60